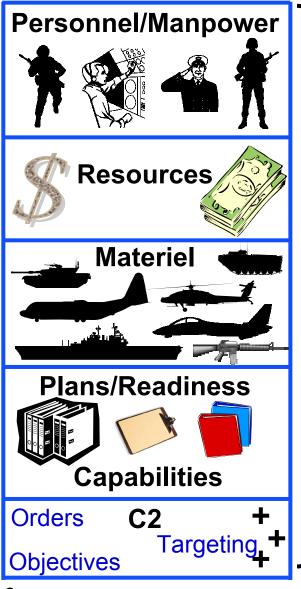


# Global Force Management Data Initiative

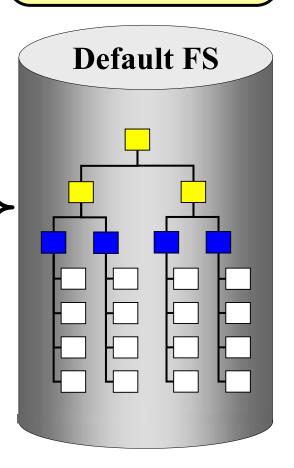
**Army GFM DI Prototype Briefing** 

Joint Staff, J-8 21 July 2005

# Bottom Line: Force structure pulls everything together



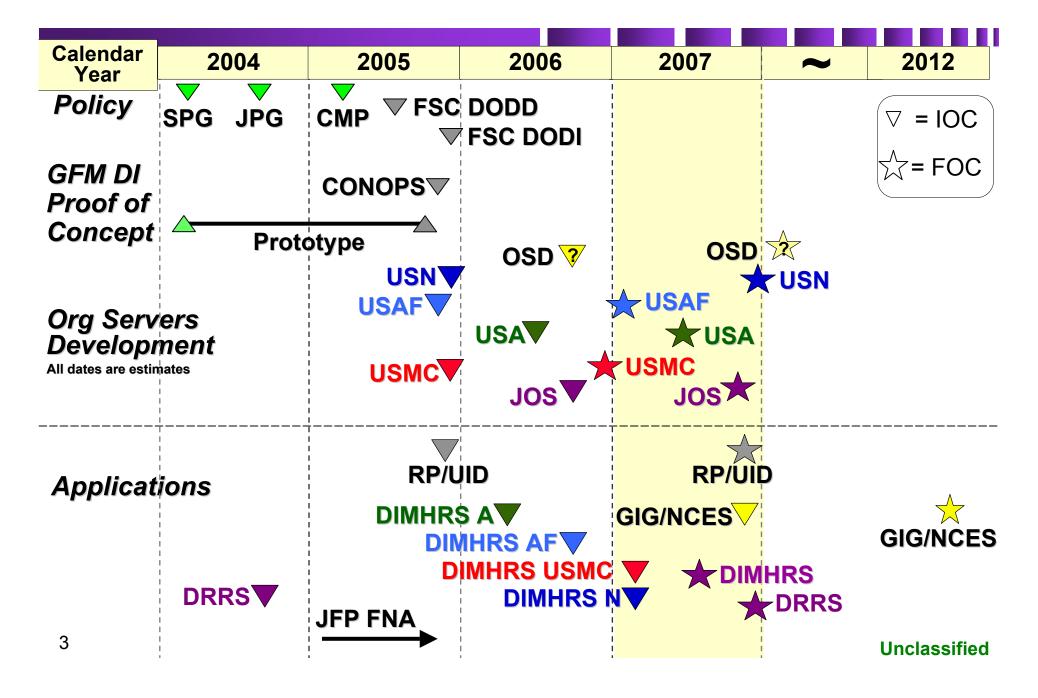
Uses Force
Structure (FS) to
integrate data

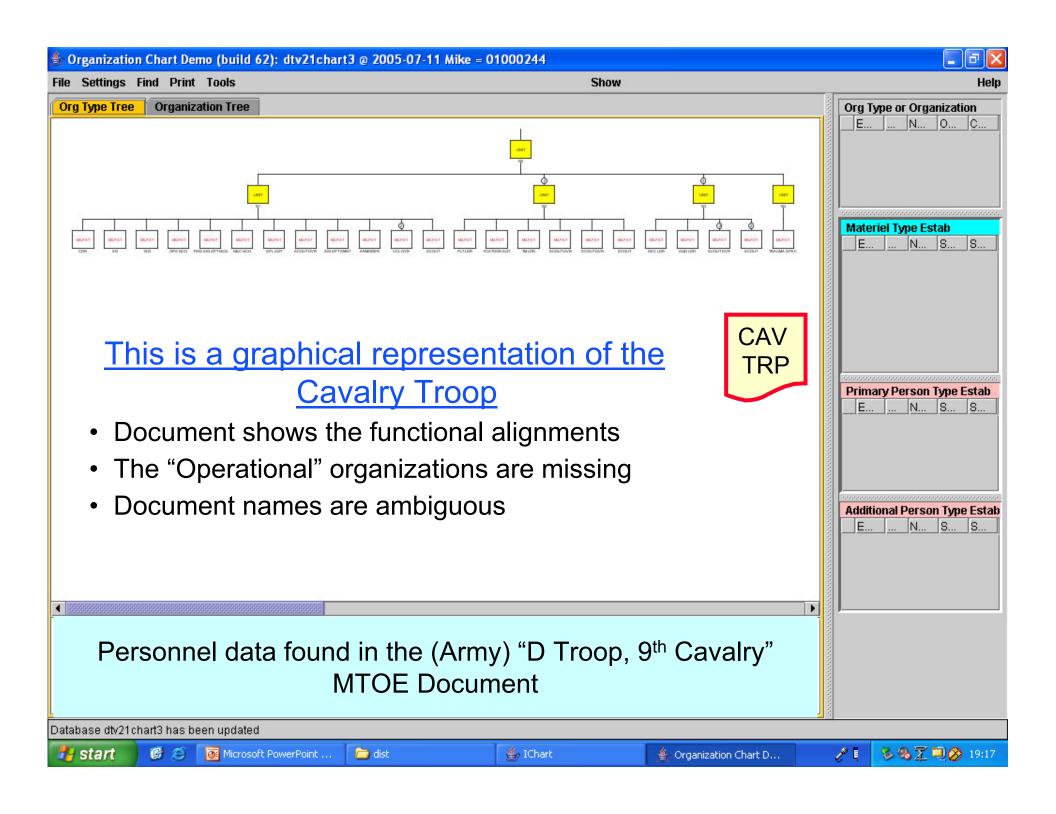


- Hardcore computer science problem
  - No "silver bullet"
  - Must create the data
- Must document <u>all</u> organizations
  - Administrative
  - Combatant
  - Operational
  - Rigorously reported
  - Starting point for any joint task organization
- Common identification (XML & FMIDS)
- Disseminate from a single authoritative data source

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### GFM Data Initiative Long Term View / Related Efforts



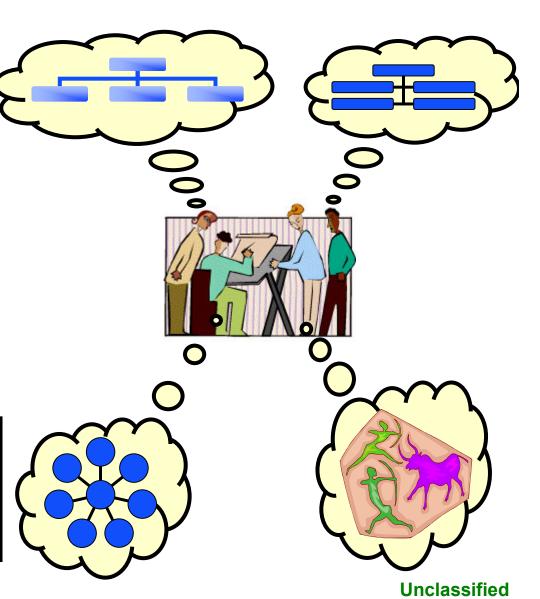


# Ask 20 people to draw their org chart...

# How many will be the same?

- An organization is a virtual entity
  - it doesn't physically exist
- There is nothing to ensure consistency
- Organizations are <u>aggregation</u> <u>points</u> for People & Equipment

The OFSC provides the rules, semantics, and definitions to provide consistent Force Structure

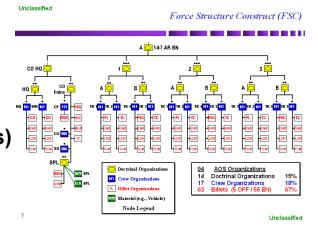


### Organizational & Force Structure Construct

#### **Document**

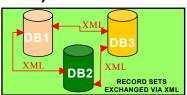
A hierarchical way to organize (document) force structure data for integration across Service-lines

- Top to bottom (billet level) organizations with operational organizational aspects (Tactics, Techniques, and Procedures)
- The **GFMIEDM** provides common semantics and rules
- Documented in an single authoritative data source call the Organizational Server.

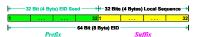


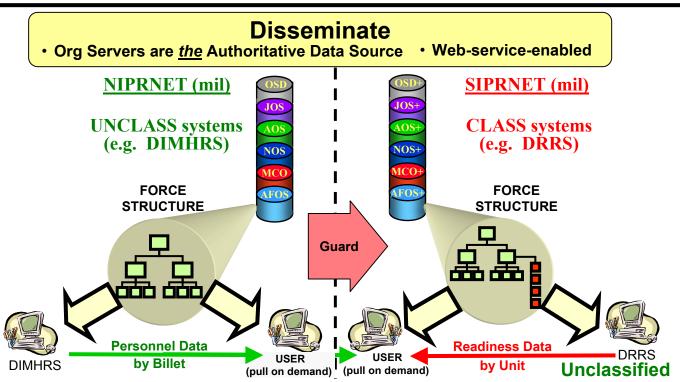
#### **Identify**

 XML tagging for web services (e.g., discovery, collaboration, mediation, etc.)



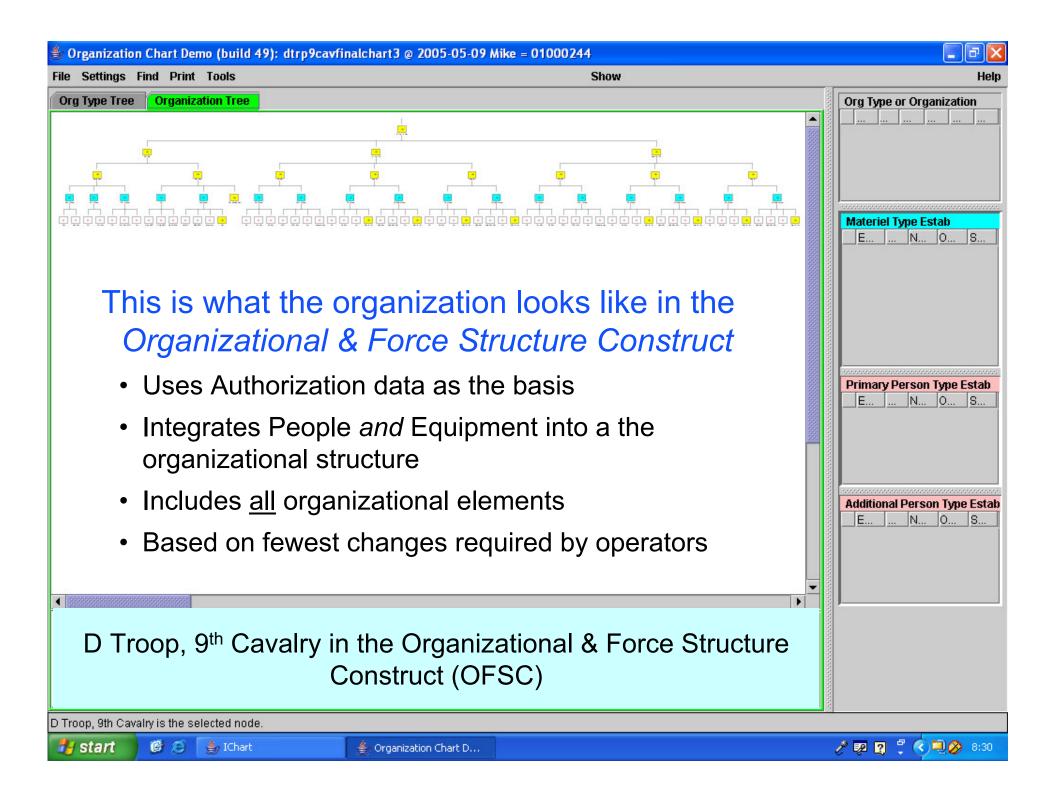
 FMIDS (unique data identifiers) to allow data integration

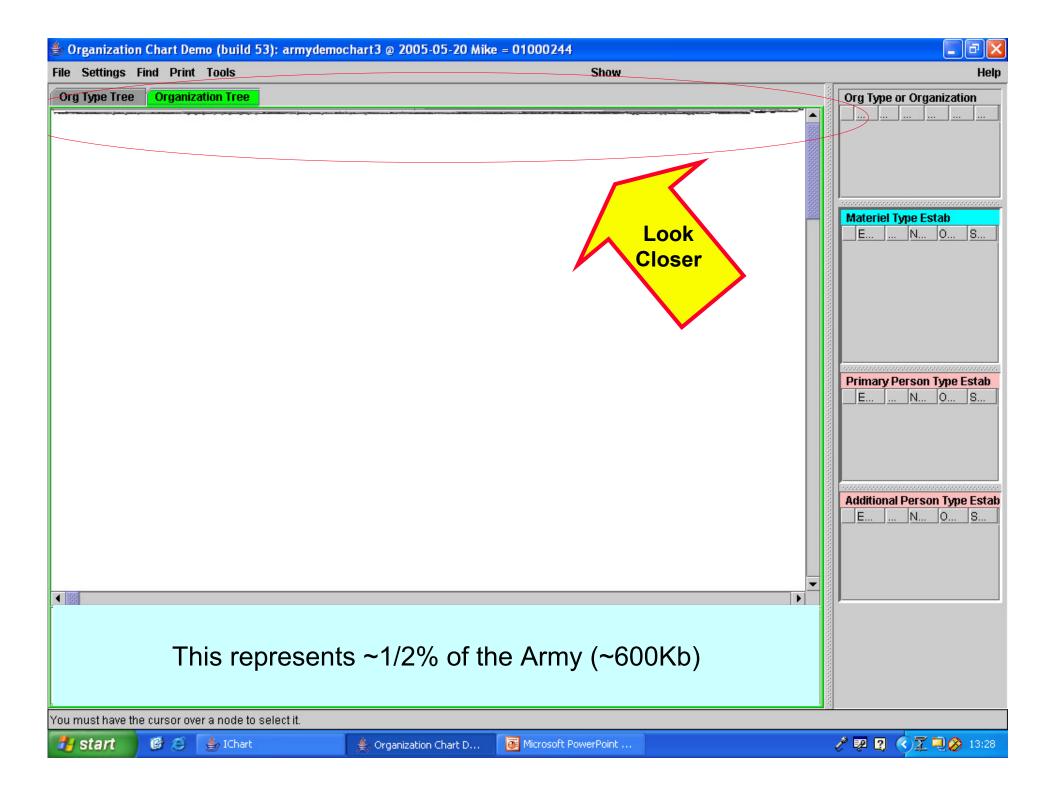


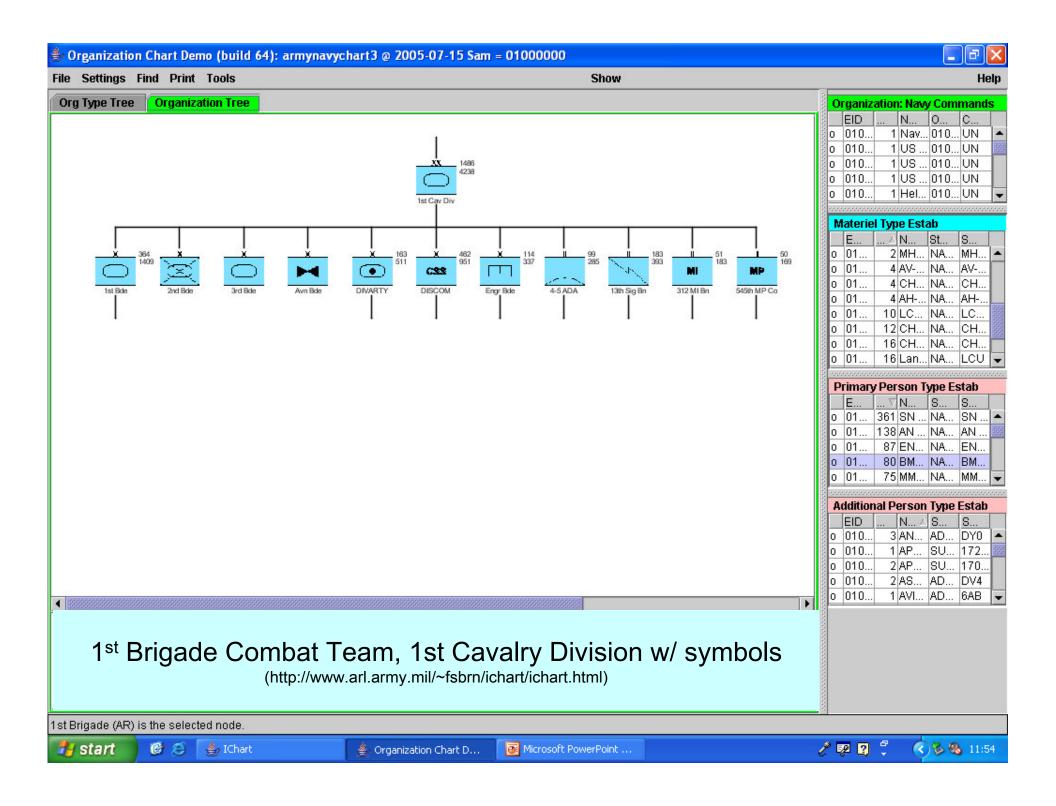


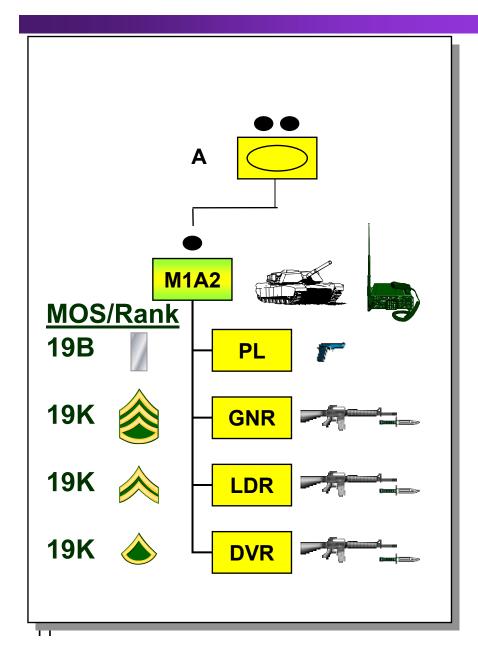
- Preparing a "Combat Slice" from each of the Services and putting it into GFMIEDM format
  - Navy 2<sup>nd</sup> Expeditionary Strike Group (ESG)
  - USMC 26<sup>th</sup> Marine Expeditionary Unit (MEU)
  - Army 1<sup>st</sup> Brigade Combat Team, 1<sup>st</sup> Cavalry Division
  - Air Force CAF AEW / ISR AEG (AETF)
- Simultaneously preparing the Concept of the Operations (CONOPS) in three areas:
  - Organization Server Operations
  - Allocation, Assignment & Apportionment process
  - GFM in a net-centric environment

Objectives: Define business rules, flush out GFMIEDM, and demonstrate capabilities of GFM DI prototype









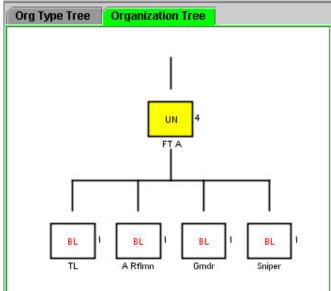
### **Contains:**

- People authorizations
  - Military
  - Civilians (GS, NAF, part-time)
  - Contract work years
- Equipment authorizations
- Home station
- Relationships
- Names
- Definitions

Force Developers maintain the data!



File Settings Find Print Tools Show



	Organization: Fire Team A					
0000	EID	Qty	Name	Obj Type ID	Short Name	Category
0	010	1	Fire Team A	n/a	A	UN
a o	010	1	Team Leader	n/a	TL	BL
90	010	1	Automatic Rifleman	n/a	A Rflmn	BL
90	010	1	Grenadier	n/a	Grndr	BL
90	010	1	Sniper	n/a	Sniper	BL
0000	SU	Ÿ į	EX=0	UN=1	CR=0	BL=4

Materiel Type Estab						
		V	Name	Obj Type ID	Stock#	
0		4	AIMING LIGHT INFRARED: AN/PAQ-4	010001DE0000523E	A34938	-
0		4	BAYONET MULTIPURPOSE SYSTEM: XM9	010001DE00005288	B49004	
0		4	SIGHT: REFLEX COLLIMATOR	010001DE00005252	S60288	933
0		3	ADAPTER RAIL: WEAPON MOUNTED M5	010001DE00005282	A13362	933
0		3	RIFLE: 5.56MM M16A4	010001DE000052CC	R97175	333
0		3	MASK CHEMICAL BIOLOGICAL: M40	010001DE000052B8	M12418	
0		2	MONOCULAR NIGHT VISION DEVICE: AN/PVS-14	010001DE00005246	M79678	
0		2	NIGHT VISION GOGGLE: AN/PVS-7B	010001DE0000524A	N05482	-
	0 0 0 0 0	0 0 0 0 0 0 0 0	0 4 0 4 0 4 0 3 0 3 0 3	Name  Name	Name	Obj Type ID         Stock#           0          4 AIMING LIGHT INFRARED: AN/PAQ-4         010001DE0000523E         A34938           0          4 BAYONET MULTIPURPOSE SYSTEM: XM9         010001DE00005288         B49004           0          4 SIGHT: REFLEX COLLIMATOR         010001DE00005252         S60288           0          3 ADAPTER RAIL: WEAPON MOUNTED M5         010001DE00005282         A13362           0          3 RIFLE: 5.56MM M16A4         010001DE000052CC         R97175           0          3 MASK CHEMICAL BIOLOGICAL: M40         010001DE000052B8         M12418           0          2 MONOCULAR NIGHT VISION DEVICE: AN/PVS-14         010001DE00005246         M79678

Pri	ima	ary P	erson Type Estab		
			Name	Obj Type ID	Skill Attr
0		1	11B2G E-5	010001DE00001D5F	ROOT OCCUPATIONAL SPECIALTY
0		2	11B10 E-4	010001DE00001577	ROOT OCCUPATIONAL SPECIALTY
0		1	11B10 E-3	010001DE00001575	ROOT OCCUPATIONAL SPECIALTY

3	Addi	Additional Person Type Estab						
100		Qty	Name	Obj Type ID	Skill Attr			
100	0	1	B4	010001DE0000079B	ADDITIONAL SKILL IDENTIFIER			

Fire Team A is the selected node.





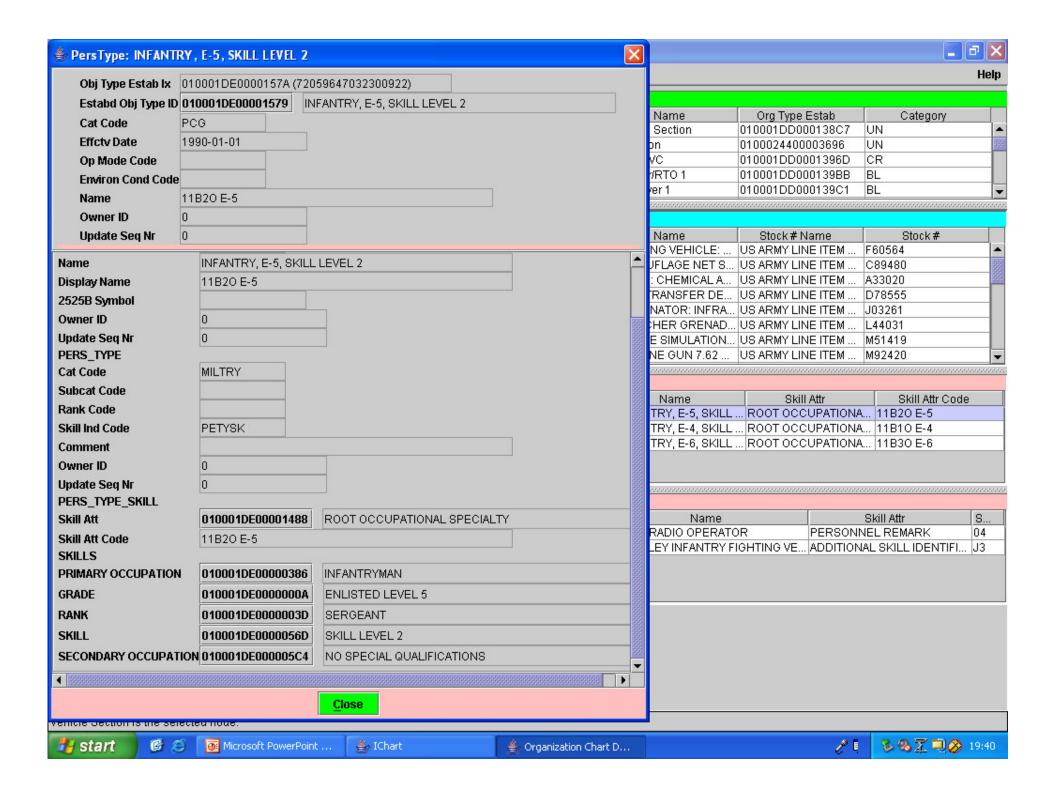


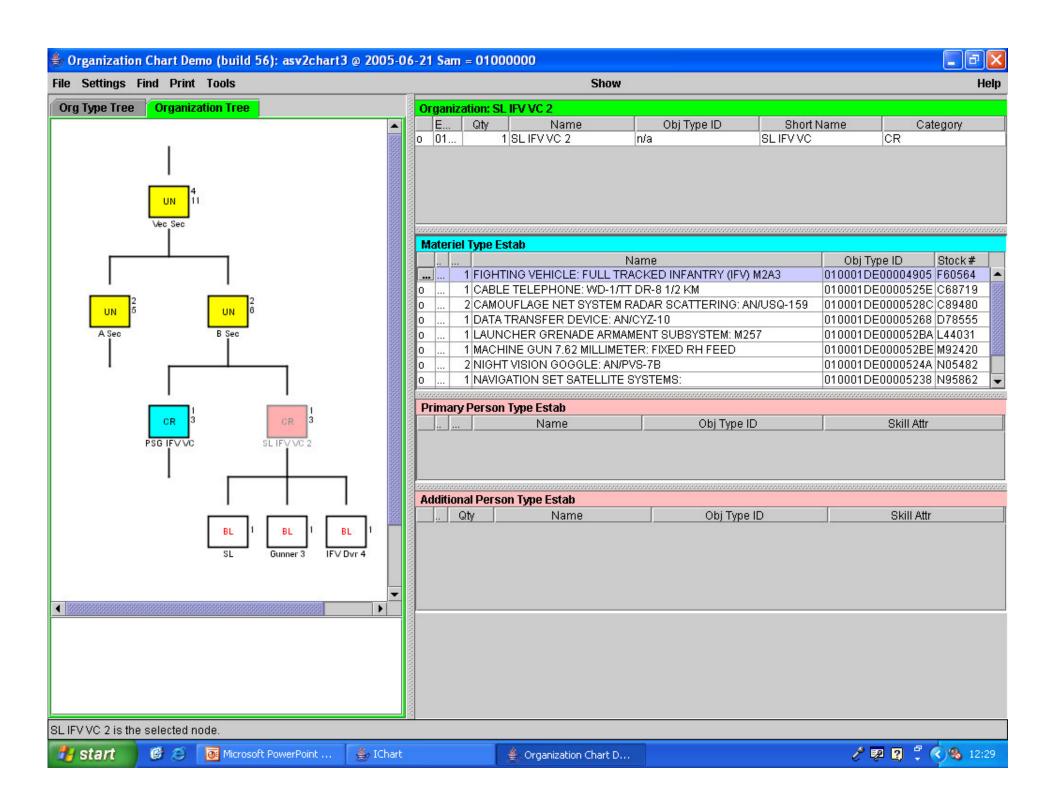


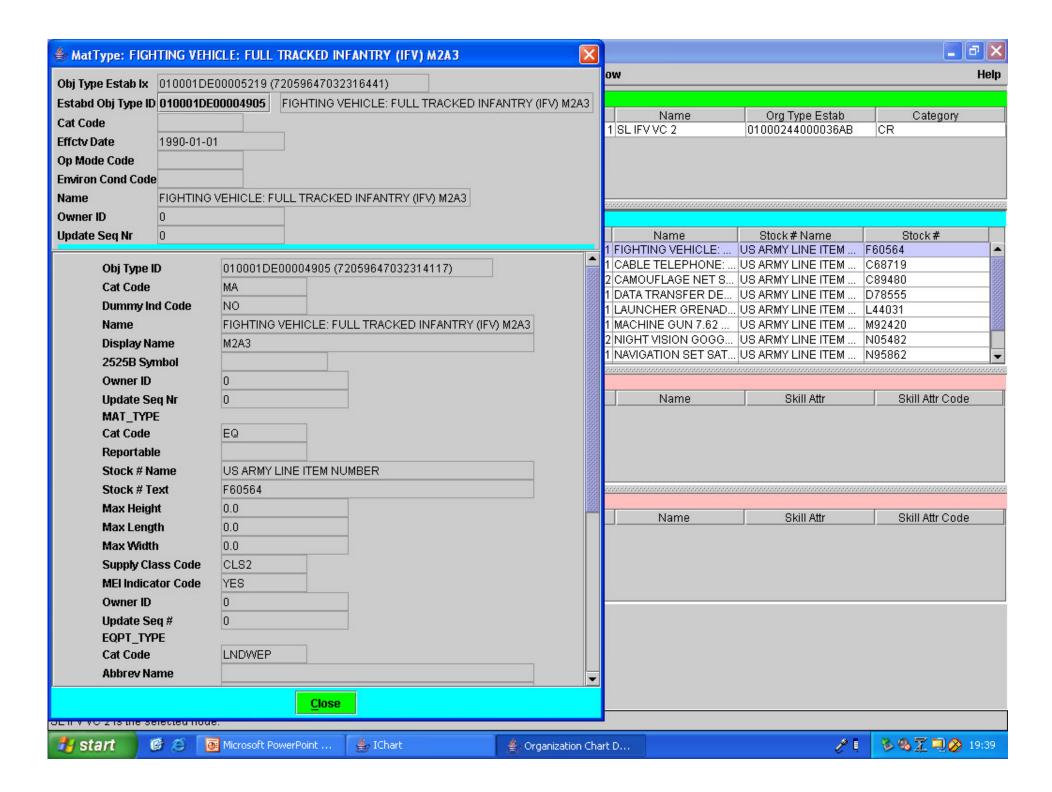


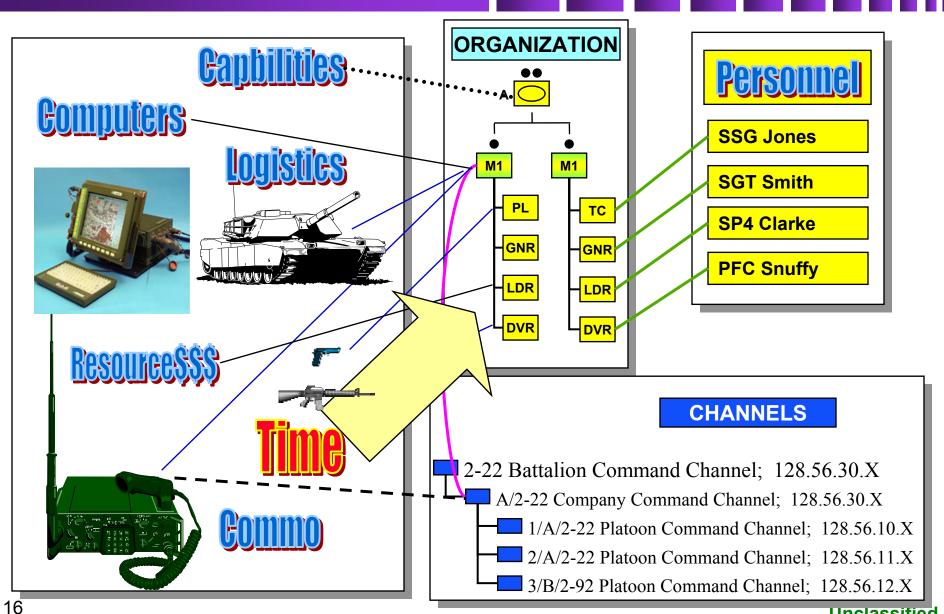


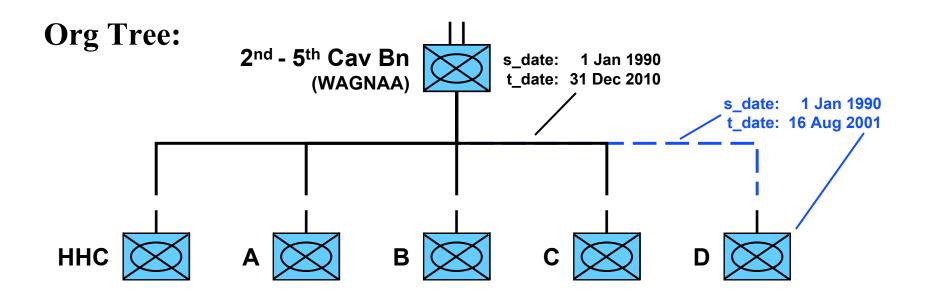






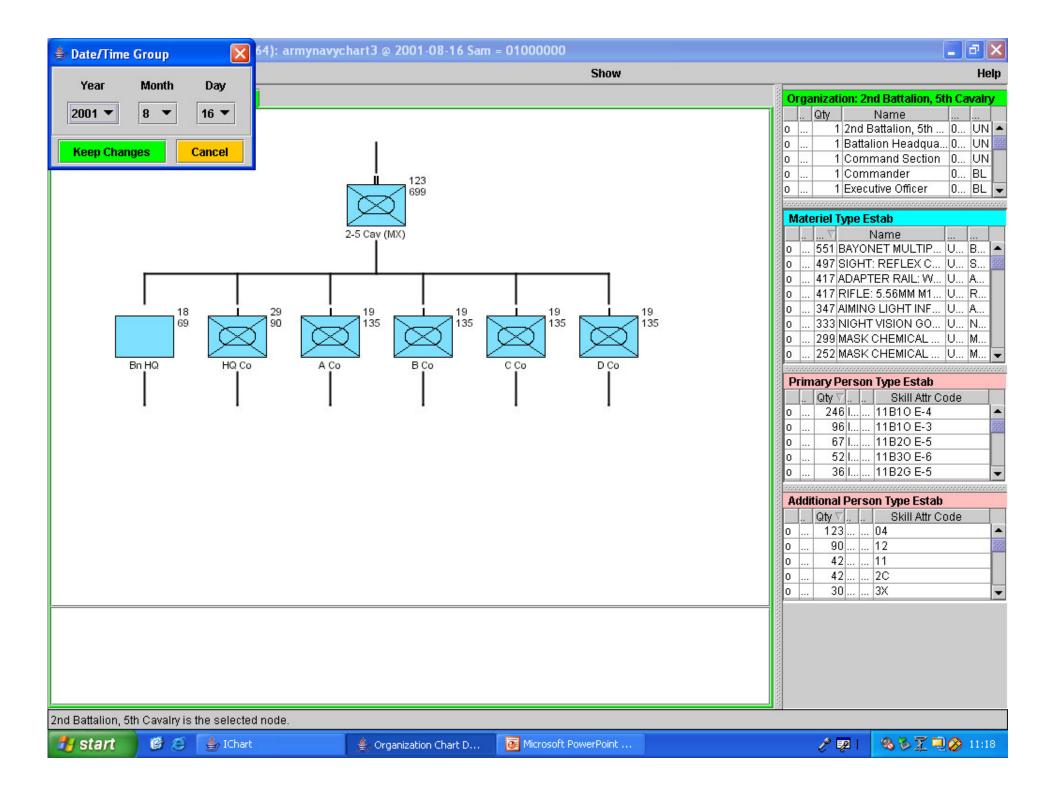


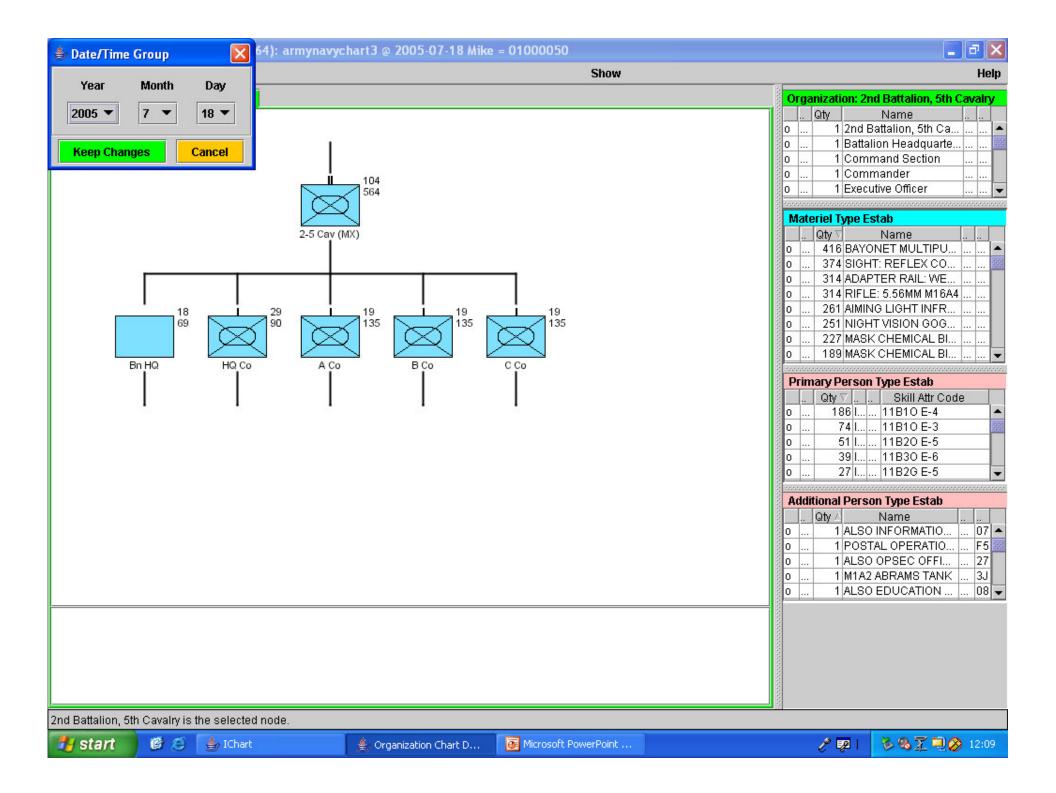


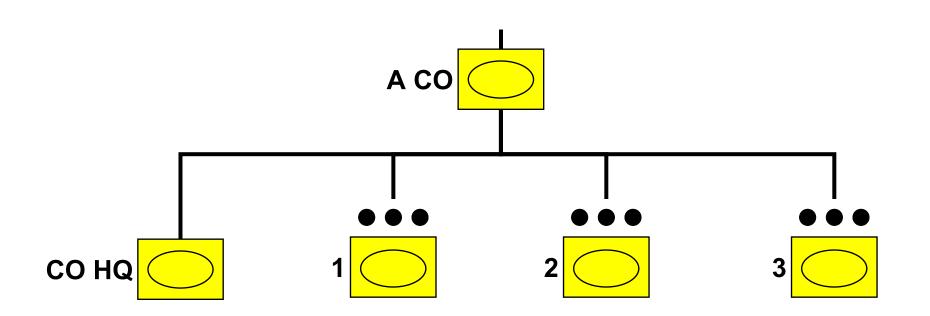


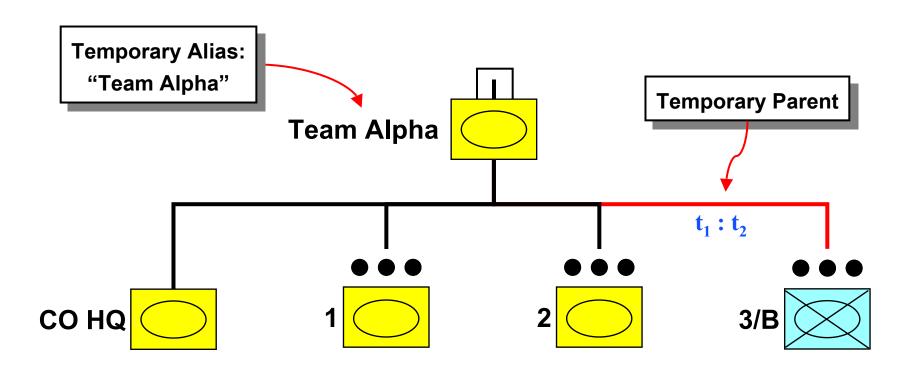
Transition from L-Series to F-Series Structure on 17 Aug 2001

Time is REAL time – it represents an Effective Date (EDATE)







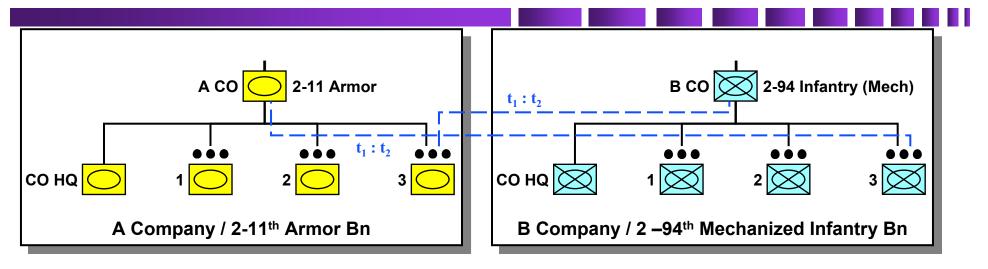


No new nodes were required – only existing organizations were re-linked.

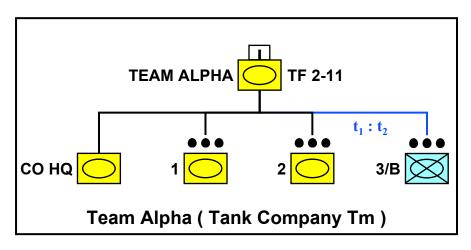
A new graph (Unit) was created with existing organizations.

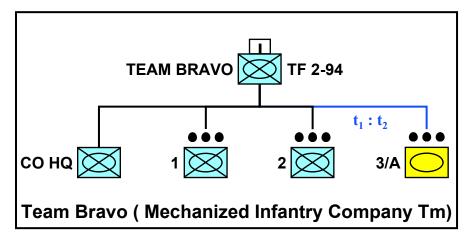
If the Default Force Structure is Carefully and Richly Populated, Then
Task Organizing Does Not Require Creating any "New" Organizations

# Stable Nodes - Dynamic Links

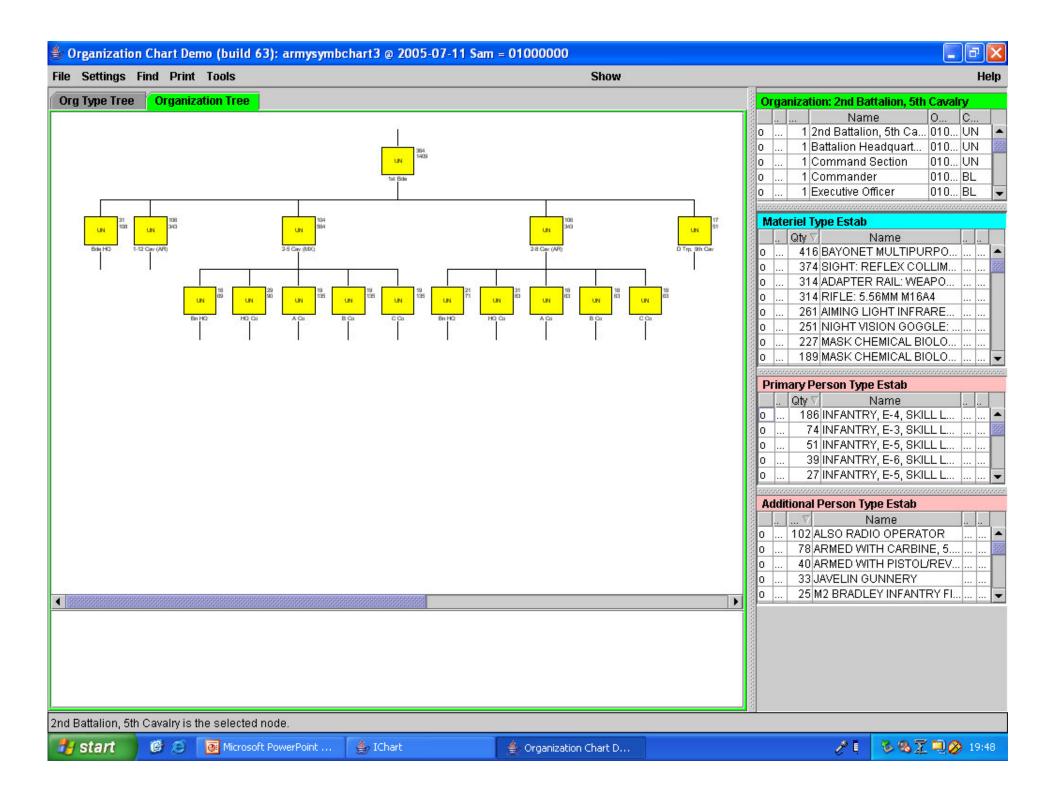


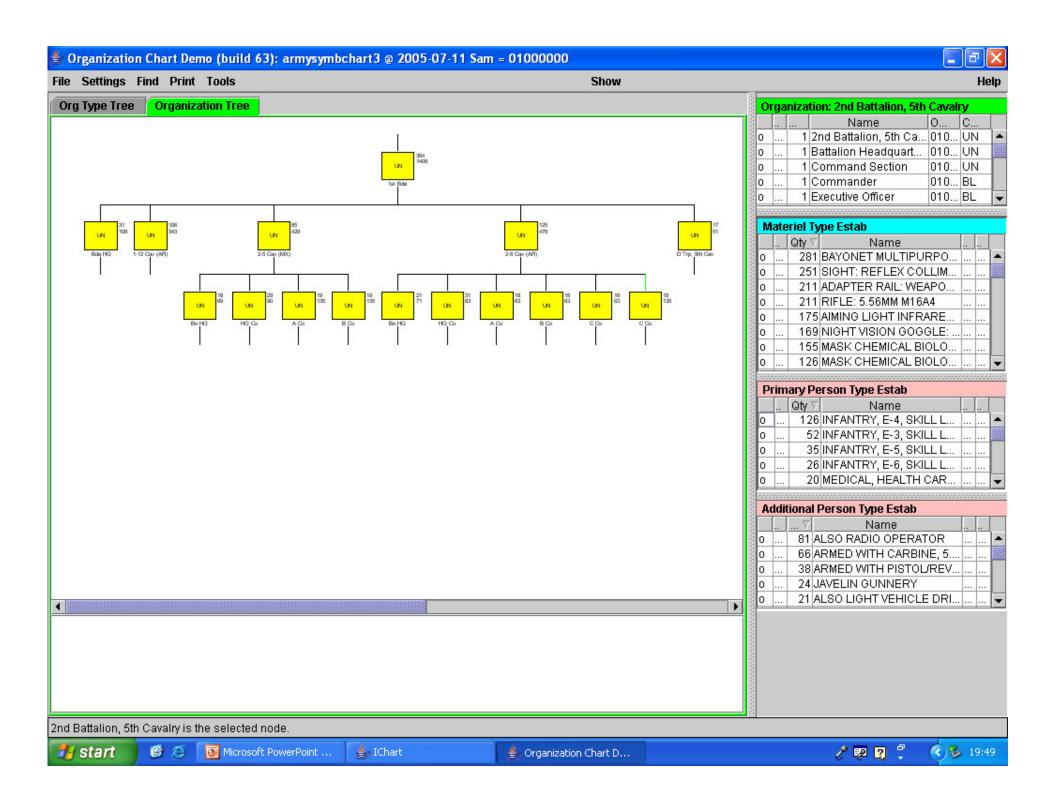
Default Links (Assigned / Organic / ADCON) and New Temporary Links (Attach / OPCON / TACON)

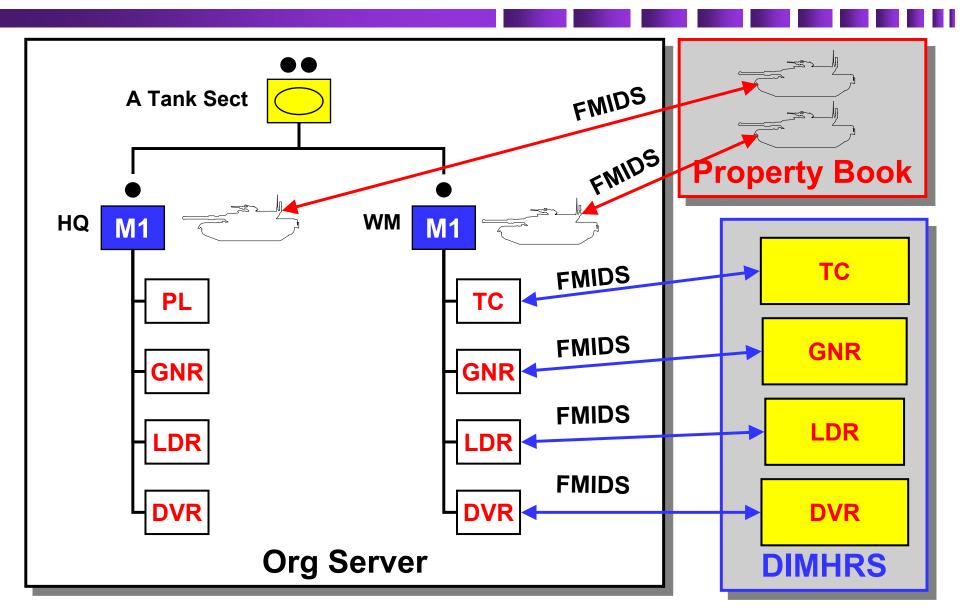


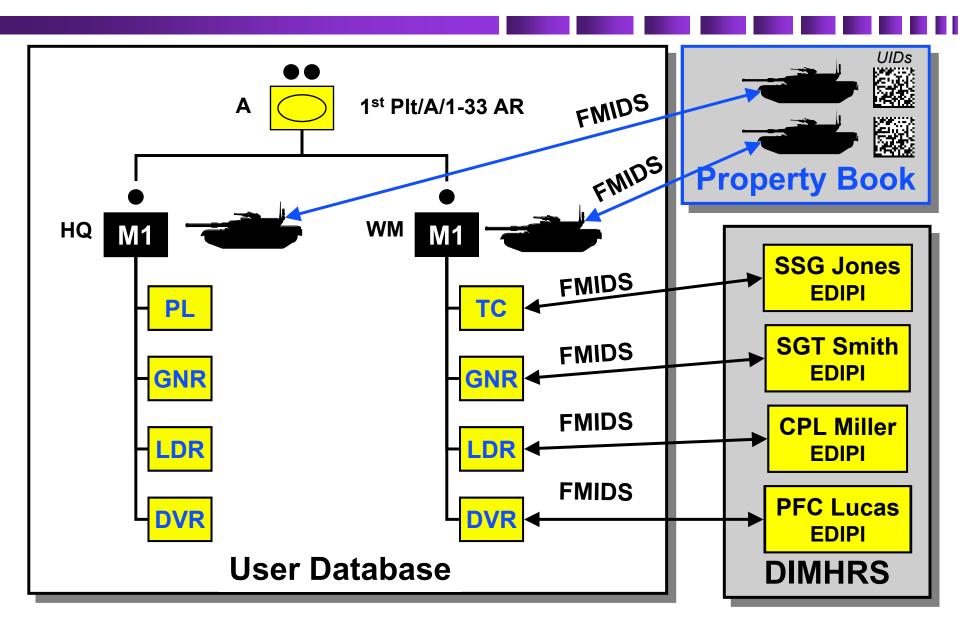


Simplified View of the TASK ORGANIZED Force

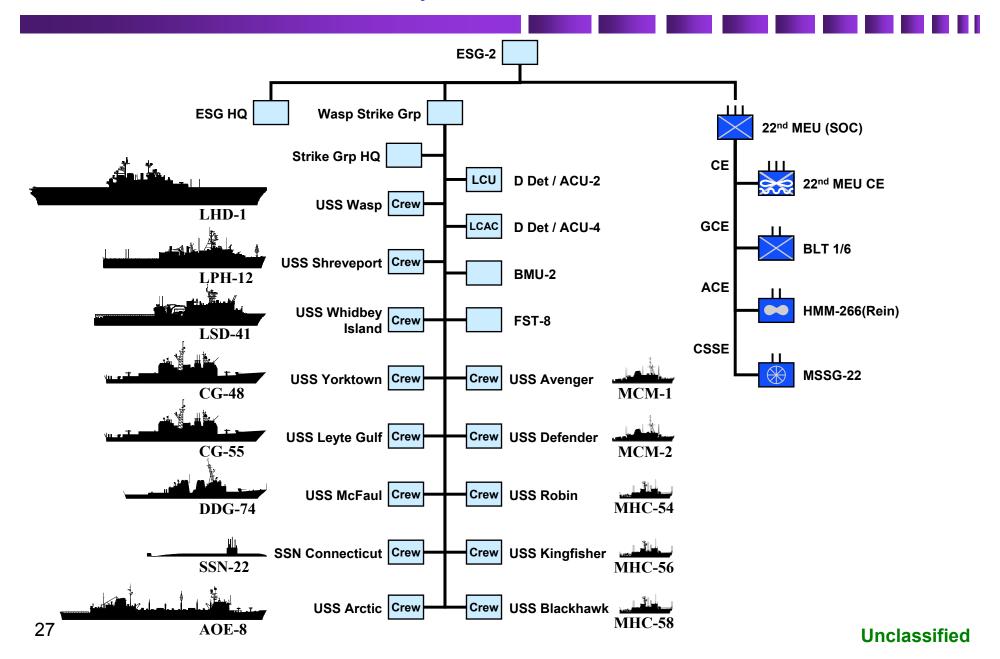


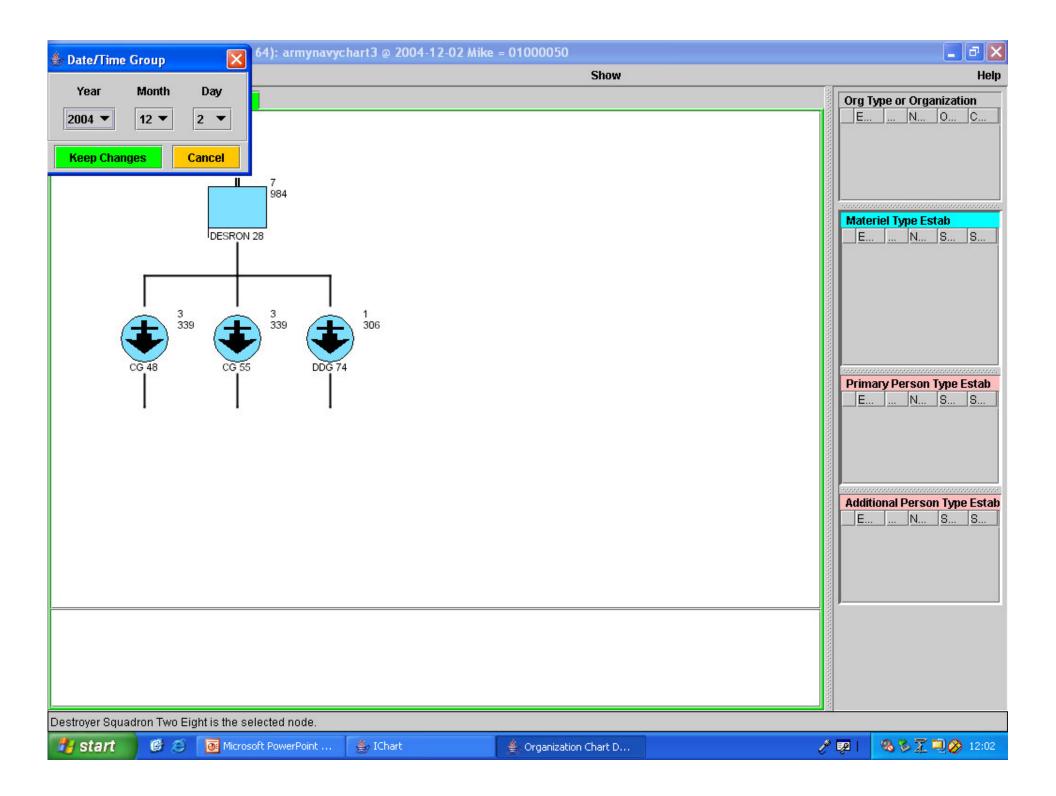


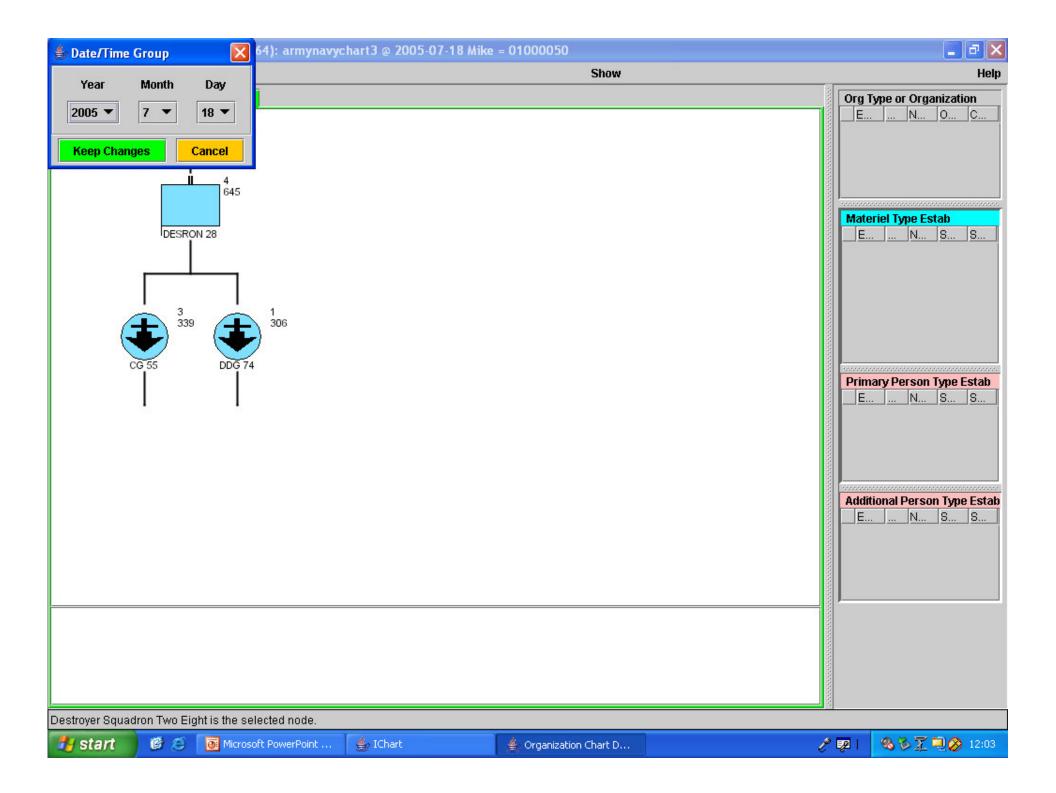




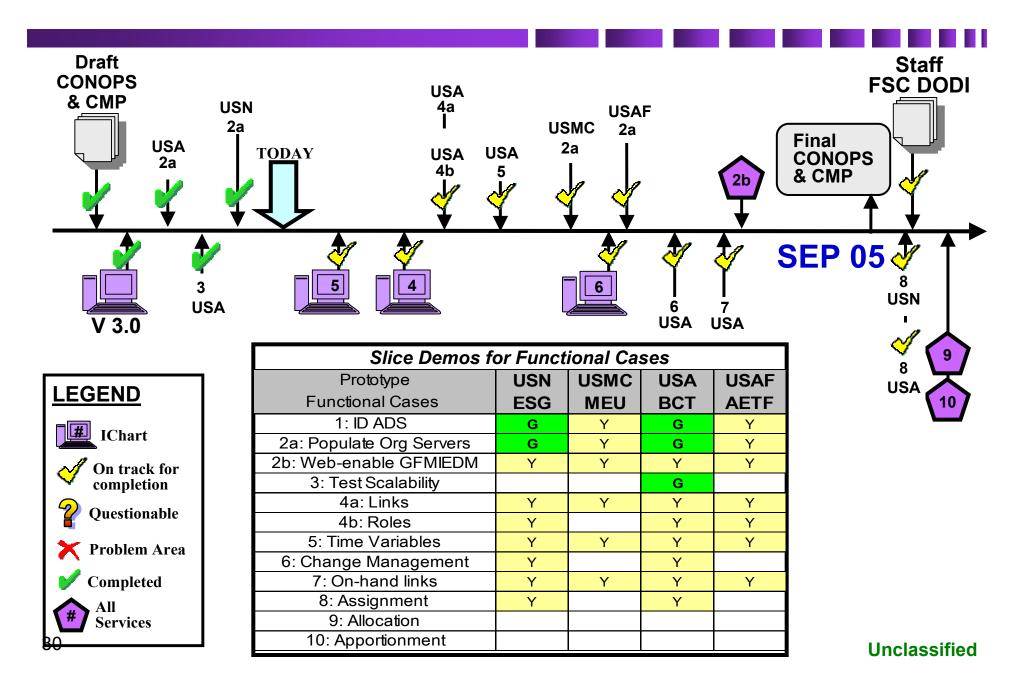
# Readiness Reporting Via the Operational Links Is Dynamic, Flexible, and Continuous







# GFM DI Prototype Timeline



- Force Structure is the central integrating theme (i.e., the "foundation") for Global Force Management
- The GFM Organizational & Force Structure Construct (OSFC) is used to electronically document force structure data
  - <u>Document</u> a fully-articulated, joint, hierarchal, force structure in a single Authoritative Data Source (i.e. the "Organization Servers") for use by all systems within the DoD enterprise
  - Identify (using Force Management Identifiers) each piece of force structure authorization data using FMIDS in the GFMIEDM format and an integrated XML schema
  - <u>Disseminate</u> force structure data in a net-centric environment (Web Service enabling)
- POC is Mike Boller (SAIC ISO Joint Staff, J-8, MASO) (703) 614-6772, Michael.Boller@js.pentagon.mil

#### **Unclassified**



# Questions?

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